

Serial No. 09/290,170

H-769

wherein control parameters of said first and second systems are changed or said transmitting direction of energy is decided in response to said energy amount measured by said measuring equipment, and

wherein energy is transmitted from one of said countries to the other of said countries in response to a requirement of said other of said countries.

3. (Amended) An energy and power interchange system according to claim 30,

wherein control parameters of said systems of said at least three Pacific Rim countries are changed or transmitting direction of energy is decided in response to said energy amount measured by said measuring equipment, and

wherein energy is transmitted from a first one of said Pacific Rim countries to a second one of said Pacific Rim countries in response to a requirement of said second one of said Pacific Rim countries.

17. (Amended) An energy and power interchange method according to claim 24, wherein control parameters of said system including said energy generator are changed and energy transmitting direction is decided in response to energy amount measured by the measuring equipment.

Serial No. 09/290,170

H-769

24. (Amended) An energy and power interchange system, comprising:

a system including an energy generator which generates transmittable energy using an energy source,

an energy path which transmits energy generated by said energy generator across national borders, so as to link together systems in pairs, each system of each linked pair including a Pacific Rim country, for transmission of energy across the national border therebetween, at least one of which Pacific Rim countries produces its own demand for electricity including transient electrical power,

measuring equipment which is mounted on said energy path for measuring an amount of energy which is transmitted through said energy path, and

a system which consumes energy supplied by way of said energy path,

wherein said energy path links together the following system pairs: a North America system and a South America system, a South America system and an Australia system linked through the Antarctic continent, an Australia system and an East Asia system, and an East Asia system and a North America system linked through the Bering Strait.

Serial No. 09/290,170

H-769

27. (Amended) An energy and power interchange system, comprising:

a first system including power generating facilities located in a first Pacific Rim country,

a second system in a second Pacific Rim country foreign to the first Pacific Rim country, constructed by a direct current transmission system which interconnects said first system and said second system, and

measuring equipment which is mounted on an energy path of said direct current transmission system and measures an energy amount transmitted through said energy path across a border between said countries,

wherein said energy path transmits energy so as to link together pairs of systems including said first and second systems, each system of each linked pair including a Pacific Rim country for transmission of energy across a national border therebetween,

wherein at least one of said Pacific Rim countries in each system pair produces its own demand for electricity including transient electrical power, and

wherein said energy path links together the following system pairs: a North America system and a South America system, a South America system and an Australia system linked through the Antarctic continent, an Australia system and an

Serial No. 09/290,170

H-769

East Asia system, and an East Asia system and a North America system linked through the Bering Strait.

30. (Amended) An energy and power interchange system, comprising:

an energy path which transmits energy so as to link together pairs of systems, each system of each linked pair including a Pacific Rim country for transmission of energy across a national border therebetween, constituted by a direct current transmission system which interconnects at least three different Pacific Rim countries including said different respective countries included in said linked pair of systems, wherein said direct current transmission system includes:

power generating facilities, and

measuring equipment which is mounted on said energy path and which measures an energy amount transmitted through said energy path across a border between two of said at least three Pacific Rim countries, at least one of which Pacific Rim countries produces its own demand for electricity including transient electrical power, wherein said energy path links together the following system pairs: a North America system and a South America system, a South America system and an Australia system linked through the Antarctic continent, an Australia system and an

Serial No. 09/290,170

H-769

East Asia system, and an East Asia system and a North America system linked through the Bering Strait.